

CLAIMS

1. A photosensitive film which comprises a support film (A), a photosensitive resin composition-containing photosensitive resin layer (B) formed on said support film (A), and a protecting film (C) stuck onto said photosensitive resin layer (B), wherein the number of fish eyes having a diameter of at least 80 μm included in said protecting film (C) does not exceed 5 fish eyes/ m^2 and said photosensitive resin composition-containing photosensitive resin layer (B) has a film thickness of 5 to 30 μm .
2. A photosensitive film according to Claim 1, wherein the photosensitive resin composition in said photosensitive resin layer (B) comprises:
- (a) a binder polymer formed by copolymerizing acrylic acid or methacrylic acid and alkyl esters thereof as constituent monomers,
 - (b) a monomer having at least one polymerizable ethylenically unsaturated group in the molecule thereof, and
 - (c) a photopolymerization initiator.
3. A photosensitive film according to Claim 1, wherein adhesive strength between the photosensitive resin composition-containing photosensitive resin layer (B) and the support film (A) is greater than adhesive strength between the photosensitive resin composition-containing photosensitive resin layer (B) and the protecting film (C).
4. A photosensitive film according to Claim 3, wherein said protecting film is a polypropylene film.

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5. A photosensitive film according to Claim 1, wherein said photosensitive film is for use in metal etching process.

6. A photosensitive film according to Claim 1, wherein said photosensitive resin layer has a viscosity of 15 to 50 MPa·s at 30°C.

7. A photosensitive film according to Claim 1, wherein said protecting film has a thickness of 5 to 50 μm .

Sub C2
8. A photosensitive film according to Claim 2, wherein said binder polymer (a) contains a carboxyl group-containing monomer in an amount of 12 to 40% by weight based on the total amount of the monomers, has a weight-average molecular weight of 20,000 to 300,000, and is used in an amount of 40 to 80 parts by weight, said monomer (b) is used in an amount of 20 to 60 parts by weight and said photopolymerization initiator (c) is used in an amount of 0.1 to 20 parts by weight, based on 100 parts by weight of the total amounts of (a) and (b).
add A
Add B1
Add E4

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